

## Construction



Item	Material	Diameter	
		(Inch)	(mm)
Inner Conductor	Silver Plated Copper Clad Steel	7 / 0.004 ±0.001	7 / 0.1 ±0.02
Dielectric	PTFE	0.033 ±0.002	0.84 ±0.05
Shield	95% Silver Plated Copper Braid	0.051 ±0.003	1.3 ±0.08
Jacket	FEP	0.071 ±0.004	1.8 ±0.1

## Electrical Characteristics

Impedance	: 50Ω ±2Ω
Capacitance	: 96.5pF/m
Velocity of Propagation	: 69.5%
Conductor DCR	: 800.5Ω/km
Outer shield DCR	: 47.9Ω/km
Max. Operating Frequency	: 3000MHz
Max. Operating Voltage	: 1000VRMS
Corona Extinction Voltage	: 1000VRMS
Voltage Withstand	: 2000VRMS
Spark Test	: 2000VRMS
Operating Temp. Range	: -55°C to +200°C

## Attenuation (@20°C)

Frequency (MHz)	Max. Attenuation (dB/100ft)	Max. Attenuation (dB/100m)
10	5.6	18.4
50	10.5	34.4
100	14	45.9
200	19	62.3
400	28	91.9
700	37	121.4
900	42.5	139.4
1,000	46	150.9
3,000	81	265.7

## Part Number Table

Description	Part Number
Cable, Coax, RG178,100m	RG178

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